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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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PATENTS AND DESIGNS

Calcutta, the 05th August 1995

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1—187 GI/95

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पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 5 अगस्त 1995

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार तथा धम्क, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोष के आधार पर निम्न रूप में प्रवर्तित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट, तीसरा तल, लोकर परदे (पश्चिम), धम्क-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा दीव एवं पुण्ड्रिकोत्तर प्रदेश राज्य क्षेत्र ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकके सं 401 से 405, तीसरा तल,
महाराष्ट्र शाखा भवन,
सरस्वती मार्ग, करोल बाग
महं दिल्ली-110005 ।

हिमाचल प्रदेश, उत्तर प्रदेश तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,

61, बालाजाह रोड,

मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिन्निकाय तथा एमिनिदिव द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंटोफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में जर्जित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुमोचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

ALTERATION OF DATE UNDER SECTION 16

Patent No. 175580
(276/M/93)

Ante-dated to 17-3-89

APPLICATION FOR PATENT FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGDISH BOSE ROAD,
CALCUTTA-20.

The dates shown in the crecent bracket are the date claimed under section 135, of the Patent Act, 1970.

01-06-1995.

626/Cal/95. Sujit Kumar Jana of Sijua, and Suprabhat Ghosh of Salar. An Automatic Video Imager.

627/Cal/95. Emerald Communications Ltd. Process for operating an exchange and scaleable digital switch system for carrying out the process.

628/Cal/95. Pannevis B. V. Separating device.
(Convention No. 9400942; filed on 09/6/94; Netherlands).

629/Cal/95. Pozzolanic Enterprises Pty Ltd. Method and apparatus for treating fly ash. (Convention No PM6064; filed on 02/06/94; in Australia).

630/Cal/95. Proto Pack Pty Ltd. (ACN 061 278 993) Container.

631/Cal/95. The Tensar Corporation. Modular block retaining wall system and method of constructing same. (Convention No. 08/254710; 08/37024; filed on Nil; Nil, in U. S. A.).

APPLICATION FOR PATENTS FILED AT
THE PATENT OFFICE BRANCH
61, WALLAJAH ROAD, MADRAS-600 002.

24th April 1995

491/MAS/95. Murali M. Sagar. Easy to read gauge for indicating quantity of gas in a cylinder.

492/MAS/95. Murali M. Sagar. Helmet with airpurifying replaceable filters.

493/MAS/95. BASF Aktiengesellschaft. The preparation of stilbene-based optical brighteners.

494/MAS/95. The Mearl Corporation. Colored tridescent film.

495/MAS/95. Smithkline Beecham Corporation. Pharmaceutical formulations.

496/MAS/95. Sandoz Ltd. Acylated aminoalkanimidazoles and triazoles.

497/MAS/95. Turbine Blading Limited. Turbine blade repair. (April 25, 1995; United Kingdom).

428/MAS/95. Xerox Corporation Acrylate polymerization processes

25th April 1995

- 499/MAS/95. Indian Institute of Science. Handover channel exchange system in a mobile cellular system.
- 500/MAS/95 T. Sendzimir, Inc.. Strip flatness measuring devices.
- 501/MAS/95. Dragsoco Gerberding & Co. AG 1 Hard soap with additives for inhibiting the formation of cracks.
- 502/MAS/95. Hoechst Aktiengesellschaft. Packaging system for sensitive bulk materials.
- 503/MAS/95. N. V. Raychem S. A. Optical Fibre connector. (April 26, 1994; Great Britain).
- 504/MAS/95. Fatigue Management Associates L. L. C.. Method for measuring and extending the service life of fatigue-limited metal components.
- 505/MAS/95. Hamlin Transmission Corporation. Apparatus for repositioning a bearing surface relative to a track. (Divisional to Patent Application No. 73/MAS/91).
- 506/MAS/95 Hamlin Transmission Corporation. Drive apparatus. (Divisional to Patent Application No. 73/MAS/91).

The 26th April, 1995

- 507/MAS/95. Harish B. Kamath; Mrs. Rekha R. Kamath and Mrs. Mohini S. Pai; partners of Girish Circular looms.
- 508/MAS/95. Schneider Electric SA. Busbar device, notably for an electrical distribution cabinet.
- 509/MAS/95. Tanabe Seiyaku Co., Ltd.. Propiophenol derivative and a process for preparing the same.
- 510/MAS/95. Cummins Engine Company, Inc.. High pressure pump for fuel injection systems.
- 511/MAS/95. Novo Nordisk Biotech, Inc.. Novel metallo-protease having increased activity.

The 27th April 1995

- 512/MAS/95. Dr. L. R. Chary. Conceptual design for an integrated offshore power station for harnessing wind, wave, current & solar energies at sea.
- 513/MAS/95. Srikanth Sitaraman. The manufacture of high gradient permanent roll and drum assemblies.
- 514/MAS/95. E. J. Brooks Company. Locking device with serpentine member.
- 515/MAS/95. Maschinenfabrik Rieter AG. Spinning machine with thread guide on the drafting arrangements.
- 516/MAS/95. Cummins Engine Company. System and methods for electronic control of an accumulator fuel system.

The 28th April 1995

- 517/MAS/95. Lucas Industries Public Limited Company. An actuator for a vehicle brake especially a disc brake.
- 518/MAS/95. Knoll Aktiengesellschaft. Therapeutic agents (May 10, 1994; Great Britain).
- 519/MAS/95. Chevron U. S. A. Inc.. Preparation of non-zeolitic molecular sieves.
- 520/MAS/95. Henry Vogt Machine Co. Boiler economizer and control system.
- 521/MAS/95. Shell internationale Research maatschappij BV.. A process for the manufacture of synthesis gas by partial oxidation of a liquid hydrocarbon-containing, fuel using a multi-orifice (co-annular) burner.
- 522/MAS/95. Ulrich Research & Consulting Inc.. Method of producing fumed cities.
- 523/MAS/95. Novo Nordisk A/S. Naphthalene boronic acids.

524/MAS/95. John Lai. Methods of therapeutic and agacathetic treatment and preparations thereof. (July 31, 1992; Australia). (Divisional to Patent Application No. 520/MAS/93).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of Patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एक्सव का उपर्युक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपर्युक्त शाखा कार्यालय द्वारा विहित सिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गणा करके; (अर्थात् प्रत्येक पष्ठ का सिप्यान्तरण प्रभार 2/- रु. है); फोटो सिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CL 157 D 5 D 3

175551

Int. Cl. B 21 B 13/22, 17/04, 1/04.

"METHOD AND SYSTEM FOR MANUFACTURING UNITARY HORIZONTALLY ASYMMETRICAL STEEL RAILROAD RAIL".

Applicant : CE & I STEEL, L. P. OF SUITE 2200, 1000 S.W. BROADWAY, PORTLAND, OREGON 97205, UNITED STATES OF AMERICA.

Inventor : ROBERT LEONARD CRYDERMAN.

Application No. 520/Cal/1990; filed on 22nd June, 1990

Appropriate office for opposition proceedings (Rule 4 Patent rule 1972) Patent Office, Calcutta.

12 claims.

A method for manufacturing unitary, horizontally asymmetrical, steel railroad rail of at least 500 ft in length, comprising casting molten steel into a bloom shaped mold in order to produce a malleable bloom;

Continuously rolling said bloom via a plurality of rolling stations into a completed rail, wherein during at least a portion of said rolling said bloom is simultaneously rolled at more than one rolling station; and said rail is coiled in an asymmetric manner, and during at least a portion of said rolling, said bloom is simultaneously being rolled a tone or more rolling stations and subjected to said asymmetric cooling.

Compl. specn. 24 pages.

Drgns. 3 sheets.

CL : 71 GE

175652

Int. Cl. : E 02 F 3/18, 3/84, 9/20, 9/26.

"CONTROL MEANS/DEVICE FOR CONTROLLING THE CONVEYING-QUANTITY OF AN OPEN-CAST MINING DEVICE."

Applicant (1) SIEMENS AKTIENGESellschaft, OF WITTELESBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY., (2) IBEO INGENIEURBÜRO FUER ELEKTRONIK UND OPTIK J. HIPPE & G. BROEFMAN OF FAHRENKROEN 121, D-22179 HAMBURG, GERMANY & (3) RHEIBBRAUN AKTIENGENESellschaft OF 5000 KOLEN, WEST GERMANY.

Inventors :

- (1) HANS-JOERG NUESSELIN
- (2) FRANZ-JOSF HARTLIFF
- (3) JOHANN HIPPE
- (4) EDMUND HEIMES
- (5) FRANZ - ARNO FASSBAENDER
- (6) RALF ECKOLDT
- (7) DIETER HENNING.

Application No. 667/Cal/90 Filed on 6th August, 1990

Appropriate office for opposition proceedings (Rule 4 patent rule 1972) patent office, Calcutta.

5 Claims.

Control means/device for controlling the conveying - quantity of an open - cast mining device, such as a bucket-wheel excavator or a bucket - wheel pick up, having a bucket wheel mounted on a bucket - wheel jib, the pivoting speed and lifting height of which is controllable, wherein the control means/device comprises a laser scanner arranged in the vicinity of the bucket wheel for sensing the profile of solid material in the pivoting direction in front of the bucket, where said laser scanner having means to generate a pulsed laser beam and to measure the profile of the solid material by measurement of the distance and the angle of the laser scanner with respect to points on the surface of the solid

material, and wherein the control means/device further comprises a computer for calculating the cross-sectional area of the solid material and for controlling the pivoting speed of the bucket-wheel jib and/or its height according to the calculated cross-sectional area.

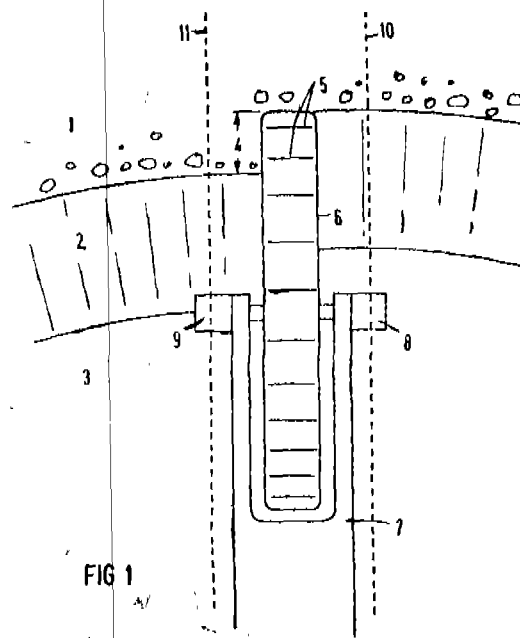


FIG 1

Compl. specn. 9 pages

Drgns. 2 sheets

CL : 148 H, 194 C 9.

175653

Int. Cl. H 01 J. 35/00.

"TUBE HEAD ASSEMBLY FOR AN X-RAY MACHINE".

Applicant : MDT CORPORATION OF 1777 EAST HENRIETTA ROAD ROCHESTER, NEW YORK 14623 UNITED STATES OF AMERICA.

Inventors :

- (1) ROBERT MALDONADO, AND
- (2) JACK HERMAN FAUDE.

Application No. 671/Cal/1990; filed on 06th August, 1990.

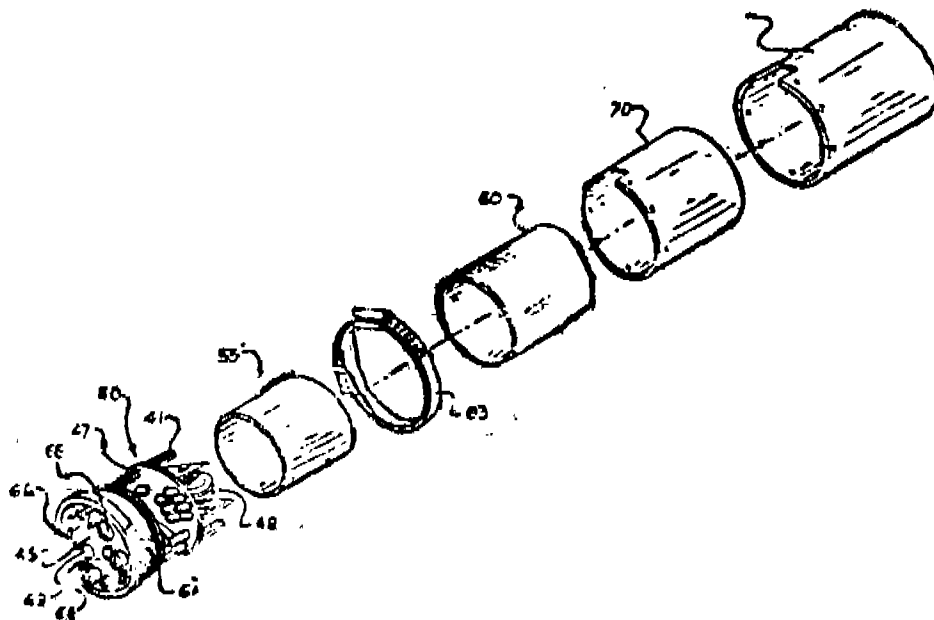
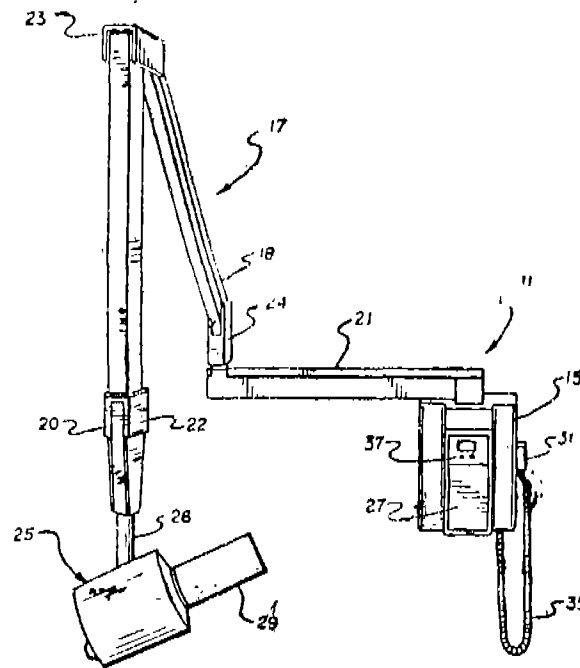
Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

10 claims.

A tube head assembly for an X-ray machine of the type wherein a high-voltage subassembly including a transformer and associated circuitry is immersed in oil within a housing, said housing being sealed against oil leakage while providing for the expansion and contraction of oil within said housing, the improvement comprises : a mounting element, including a rigid mounting surface, constituting means for carrying the components of said high-voltage subassembly and mounting surface being circumscribed by peripheral structure configured to couple with the open end of an enclosing element; a said enclosing element of elastomeric material positioned to enclose said high voltage subassembly with a continuous envelope, said envelope having an opening coupled in fluid sealed relationship with said peripheral structure; said enclos-

ing element being filled with oil; and in an X-ray shielding housing attached to said mounting element and containing said enclosing element, the internal volume of said housing

being sufficient to accommodate the expanded volume of said enclosing element when said oil is in an expanded condition due to heating.



Cl. 55 E 2 + E4 + 189.

175654

Int. Cl. A 61 K 7/40, 7/42, 33/8.

"SUNSCREEN COMPOSITIONS."

Applicant : JOHNSON & JOHNSON CONSUMER PRODUCTS, INC. OF 501 GEORGE STREET, NEW BRUNSWICK, N. J. 08903, UNITED STATES OF AMERICA.

Inventors :

- (1) CURTIS ALLAN COLE
- (2) MARTIN KARLOTTO LINDEMANN
- (3) ELVIN RUSSEL LUKENBACH
- (4) RALPH CLINTON STUTZMAN

Application No. 986/Cal/1990; filed on 21st November, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

5 claims.

A sunscreen composition comprising an extending medium such as herein before described and a synergistic combination of titanium dioxide having a particle size of less than about 35 m μ ; and zinc dioxide having a particle size of less than about 50 m μ ; said titanium dioxide and zinc oxide being present in a weight ratio of from about 1:25 to 10:1 and the total of said titanium dioxide and zinc oxide comprising from about 4.0 to about 25.0% by weight of the total composition.

Compl. specn. 18 pages.

Drgns. Nil

Cl. : 40 B

175655

Int. cl. 4 B 01 J 23/00

"A PROCESS FOR THE PREPARATION OF A CATALYST CONTAINING CU, ZN AND AL IN THE OXIDE FORM SUITABLE FOR THE SYNTHESIS OF METHANOL."

Applicant : PROJECTS & DEVELOPMENT INDIA LIMITED OF C. I. F. T. BUILDINGS, P. O. SINDRI, PIN 828122, DIST DHANBAD, BIHAR, INDIA.

Inventors :

- (1) RAJENDRA KUMAR SHARMA
- (2) VERMURY BHASKARA SARMA
- (3) MAHENDRA NATH RAI
- (4) BHASKAR SEN.

Application No. 52/Cal/91 filed on 18th January, 1991.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

16 claims.

A process for the preparation of a catalyst containing Cu, Zn and Al in the oxide form suitable for the synthesis of methanol which comprises preparing individual aqueous solutions of nitrates of copper, zinc and aluminium, mixing same to obtain a mixed solution and then reacting same with an aqueous solution of carbonate or bicarbonate or mixture thereof of ammonium or alkali metal or mixture thereof to precipitate the carbonates or bicarbonates of Cu, Al and Zn, followed by drying of the precipitate characterized in that the said reaction is carried out at a pH in the range of 6.0 to 7.5, the mixed solution is prepared using 5 to 15 wt. % of the nitrate solution of Cu, Al and Zn so as to obtain a mixed solution having Cu, Zn and Al in the atomic ratio of 4.0 to 5.5:3.8 to 4.8 : 1.0 to 1.5 respectively and wherein the reaction is carried out at 5.0 to 90° C wherein the strength of the carbonate or bicarbonate solution ranges from 2 to 10 wt percent and wherein the precipitated material has the formula $Zn_{x-2} - yCu_xAl_y(CO_3)_z(OH)_n \cdot nH_2O$ wherein X is a number ranging from 1.75 to 2.75 and y is a number ranging from 0.25 to 0.75.

(Compl. specn. 18 pages)

Drgn. Nil

Cl. : 37 B

175656

Int. Cl.4 : B 07 B 13/04, 15/00.

AN APPARATUS FOR CARRYING A STREAM OF BULK MATERIAL INTO FRACTIONS DIFFERING IN PARTICLE SIZE.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT OF REUTERWEG 14, D-6000, FRANKFURT AM MAIN, WEST GERMANY.

Inventors :

- (1) GERT SCHUSTER, AND
- (2) ROMUALD HARTMANN.

Application No. 57/Cal/1991; filed on 22nd January 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

8 Claims

An apparatus for carrying a stream of bulk material into fractions differing in particle size, characterized by stream-spreading means (1), which comprise a support (2) having a convex discharge edge (3) conforming to an arc of a circle and a layer (4) of retained bulk material, which is carried by the support (2) and slopes upwardly from the discharge edge (3) at the angle of repose of the bulk material and has a surface that constitutes a stream-spreading surface (5) discharge means (6), which are provided above the stream-spreading means (1) and discharge bulk material (7) to fall freely along a parabolic trajectory onto the stream-spreading surface (5), a saddle-shaped divider (8), which extends in the spread stream (9) of bulk material that falls freely from the stream-spreading means (1), which divider comprises a support (10) that has a convex forward discharge edge (11) conforming to an arc of a circle and a concave rear discharge edge (12) conforming to an arc of a circle, and a pad (13) of bulk material, which is carried by the support (10) and slopes upwardly from the discharge edge edges (11, 12) at the angle of repose of the bulk material and has a crest, which is parallel to the discharge edges, and means (15) for discharging the coarser fraction and means (16) for discharging the finer.

(Compl. Specn. 20 pages;

Drgns. 3 sheets)

Cl. : 32 C

175657

Int. Cl.4 : C 08 K 5/54.

A PROCESS FOR THE SURFACE MODIFICATION OF FILLERS USING ORGANOSILICON COMPOUNDS.

Applicant : DEGUSSA AKTIENGESELLSCHAFT, OF 6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE 9, FEDERAL REPUBLIC OF GERMANY.

Inventors :

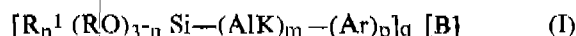
- (1) SIEGFRIED WOLFF,
- (2) UDO GORL,
- (3) HANS DEUSSER.

Application No. 58/Cal/91 filed on 22nd January 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

1 Claims

A process for the surface modification of natural or synthetic oxide or silicate fillers such as herein described, using one or more organosilicon compounds corresponding to formula (I).



in which

B represents -SCN (where q=1) or -Sx -(where q=2),

t and R1 may be the same or different and represent a C1-4 alkyl group or the phenyl radical, in addition to which R may be a C1-4 -alkyl -C1-4 -alkoxy group.

i is 0, 1 or 2.

Alk is a difunctional, linear or branched hydrocarbon radical containing 1 to 6 carbon atoms,

m is 0 or 1.

Ar is a C6-12 arylene radical,

p is 0 to 1, with the proviso that p and m cannot both be 0 and

x is a number of 2 to 8,

characterized in that

(a) at least one organosilicon compound corresponding to formula I is intensively mixed with the filler at temperatures below 60°C in a concentration of up to

$3.5 \cdot 10^{-6}$ mol trialkoxysilyl groups per square meter filler surface and

(b) the homogenized mixture is then subjected to the hydrophobicizing reaction in a preheated mixer, in a constant-temperature bed or in any other suitable heatable reaction vessel at a temperature above 60°C.

(Compl. Specn. 18 pages;

Drgns. Nil)

Cl.: 19A

175658

Int. Cl.4: F 16 B 31/02, 43/00.

A PRE-LOAD INDICATING WASHER AND A JOINT ASSEMBLY COMPRISING THE SAME.

Applicant: J & M TURNER, INC., OF 1300 INDUSTRIAL BOULEVARD, SOUTHAMPTON, PA 18966, UNITED STATES OF AMERICA.

Inventors:

- (1) FREDERICK JONATHAN MAX TURNER.
- (2) ANDREW CRAIG HOOD.

Application No. 284/Cal/91 filed on 12th April 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

8 Claims

A pre-load indicating washer comprising an annular body and a plurality of protuberances integral with said annular body struck and partially sheared from said annular body to project from a first face of said annular body and leave a corresponding plurality of indentations in a second face of said annular body opposite from said first face, each of said protuberances defined by

- (a) a pair of outer side walls extending away from said first face of said annular body, and
- (b) an outer surface extending between said pair of outer side walls and between two spaced regions of said first face of said annular body, and

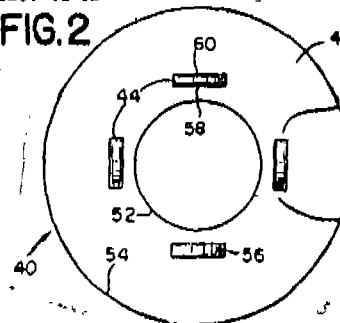
each of said indentations defined by:

- (a) a pair of inner side walls extending through said annular body from said second face of said annular body and from which a pair of outer side walls of one of said protuberances has been sheared, and
- (b) an inner surface extending between said pair of inner side walls and between two spaced regions of said second face of said annular body

each of said outer side walls of said protuberances extending along a line not in alignment with the line along which the inner side wall of an indentation from which said outer side wall has been sheared extends and each of said indentations

having a width at said second face of said annular body not less than the width of its associated protuberance at said first face of said annular body.

FIG.2



(Compl. Specn. 17 pages;

Drgns. 2 sheets)

Cl.: 28-E

175659

Int. Cl.4: B 02 C 23/18.

PULVERIZED COAL FLOW MONITOR AND CONTROL SYSTEM.

Applicant: THE BABCOCK & WILCOX COMPANY, OF 1010, COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor: RAYMOND KEEHEUN.

Application No. 874/Cal/90 filed on 15th October 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

10 Claims

An apparatus for monitoring and controlling the flow of fluid transported solid particles, characterized in that it comprises:

a vessel for containing a mixture of primary fluid with suspended particles;

at least one feed pipe connected to said vessel for supplying a flow of said mixture from said vessel;

means for measuring flow of the primary fluid situated in each feed pipe and establishing a signal indicative thereof;

means for measuring flow of the mixture situated in each feed pipe and establishing a signal indicative thereof;

means for determining a mass flow rate of the transported solid particles from the primary fluid flow rate signal and the mixture flow rate signal in each feed pipe, said determining means establishing a control signal indicative of the mass flow rate in each feed pipe; and

means for regulating fluid injection in each feed pipe responsive to changes in the control signal.

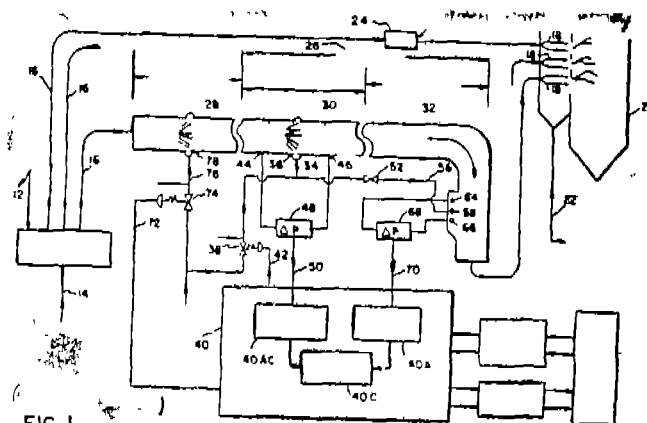


FIG. 1

(Compl. Specn. 12 pages;

Drgn. Nil)

Cl.: 32 E

175660

Int. Cl.⁴: C 08 L 23/16.**A PROCESS FOR THE PREPARATION OF POLYOLEFIN COMPOSITIONS.**

Applicant: HIMONT INCORPORATED OF 2801 CENTERVILLE ROAD, NEW CASTLE COUNTY, DELAWARE-U.S.A.

Inventors:

- (1) GIULIANO CECCHIN.
- (2) FLORIANO GUGLIELMI.
- (3) ANTEO PELLICONI.
- (4) EMANUELE BURGIN.

Application No. 561/Cal/1991; filed on 29th July 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

5 Claims

A process for the preparation of polyolefin compositions comprising:

(A) 10-50 parts by weight of a homopolymer of propylene with isotactic index greater than 80, or a copolymer of propylene with ethylene, a $\text{CH}_2=\text{CHR}$ α -olefin where R is a 2-8 carbon alkyl radical or combinations thereof, which copolymer contains over 85% by weight of propylene;

(B) 5-20 parts by weight of a copolymer fraction containing ethylene, insoluble in xylene at ambient temperature;

(C) 40-80 parts by weight of a copolymer fraction of ethylene and propylene or an $\text{CH}_2=\text{CHR}$ α -olefin, where R is a 2-8 carbon alkyl radical, or combinations thereof, and, optionally, minor portions of a diene, said fraction containing less than 40% by weight of ethylene, being soluble in xylene at ambient temperature, and having an intrinsic viscosity from 1.5 to 4 dl/g;

the percent by weight of the sum of the (B) and (C) fractions with respect to the total polyolefin composition being of from 50% to 90% and the (B)/(C) weight ratio being lower than 0.4, said polyolefin compositions being in spheroidal particle form having an average diameter from 0.5 to 7mm; said process comprising a first stage of polymerization of propylene or propylene with ethylene or an $\text{CH}_2=\text{CHR}$ α -olefin, where R is a $\text{C}_2\text{-C}_8$ alkyl radical, or combinations thereof, to form polymer component (A), and one or more stages of polymerization of mixtures of ethylene and propylene or the said α -olefin, or combinations thereof, optionally containing a diene, to form polymer components (B) and (C), using catalysts obtained from an Al-trialkyl compound and a solid component comprising a Ti halide or halogen-alcoholate and an electron-donor compound supported on anhydrous magnesium chloride, said solid component having a surface area of less than 100 m²/g, a porosity from 0.2 to 0.4 cc/g, a pore volume distribution such that more than 50% of the solid component particles have a radius greater than 100 Å and having an X-ray spectrum with a halo whose maximum intensity is between angles 2θ of 35.5° and 35°, and no reflections at 2θ of 14.95°.

(Compl. Specn. 25 pages;

Draws. Nil)

Ind. Cl.: 172 C 9

175661

Int. Cl.⁴: D 01 G 21/00.**A MACHINE FOR PRODUCING EVEN SLIVERS.**

Applicant: MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF WINTERTHUR, SWITZERLAND.

Inventors:

1. HEINZ CIEMENT.
2. HANSURICH EICHENBERGER.
3. JURG RISCHBERGER.
4. Dr GIANCARLO MONDINI.

Application No. 837/Mas/89 filed on 15th November 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), The Patent Office Branch, Madras-600 002.

8 Claims

A machine for producing even slivers comprising a plurality of combing devices (5), comprising means for combing the fibre fleece supplied from the respective combing devices to a sliver (10) and supplying means for jointly supplying the slivers to a drafting device (11) which supplies the sliver (19) thus formed to a can press (23) wherein the said drafting device (11) is provided with a control device (27) for evening of the sliver (19).

(Compl. Specn. 13 pages;

Drg. 1 sheet)

Ind. Cl.: 129-G

175662

Int. Cl.⁴: B 23 Q 3/06.**CLAMPING UNIT WITH WALKING WORM ARRANGEMENT.**

Applicant: HMT LIMITED, A COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1913, HAVING ITS REGISTERED OFFICE AT 36, CUNNINGHAM ROAD, BANGALORE-560 052, KARNATAKA, INDIA.

Inventor: CHEEKATAMARIA BAKKAIAH.

Application No. 814/MAS/89 filed November 6, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

2 Claims

A clamping unit with walking worm arrangement comprising an induction motor (42) wherein the spur gear (14) is mounted on motor shaft, which is in mesh with spur gear (29) held between splined bush (28) and friction disc (30) are assembled on the worm shaft (15) against a preset torque exerted by disc springs (19), the bearing housing (24) mounted between bearings is slidably fitted in bush (23) clamped to the housing (1) the bearing housing is under pressure of compression springs (25) to exert rigid clamping on the work piece and to allow the worm shaft (15) to restore to the original position after declamping, upon clamping of the work piece the rotation of the worm wheel (37) is stopped, the further rotation of motor (42) makes the work shaft (15) to slide axially actuating the limit switch (9) to stop the motor (42), the rotation due to inertia after stopping the motor (42) makes the spur gear (29) to slip between splined bush (28) and friction disc (30) as an additional safety to the drive.

(Comp. 6 pages;

Drawgs. 2 sheets)

Ind. Cl.: 32-F 3(c)

175663

Int. Cl.⁴: C 07 C 29/00.**A PROCESS FOR RECOVERING FATTY ALCOHOL OR ALCOHOLS FROM A FATTY ALCOHOL FRACTION.**

Applicant: DAVYMcKEE (LONDON) LIMITED, A BRITISH COMPANY OF DAVY HOUSE, 30 EASTBOURNE TERRACE, LONDON W2 6LE, ENGLAND.

Inventors:

- (1) MARTYN WILMOTT.
- (2) GEORGE EDWIN HARRISON.
- (3) JOHN SCARLETT.
- (4) MICHAEL ANTHONY WOOD.
- (5) DONALD HUGH McKINLEY.

Application No. 49/MAS/90 filed January 17, 1990.

Convention date: January 17, 1989; (No. 8900993.0; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A process for recovering fatty alcohol or alcohols from a fatty alcohol fraction containing a major molar amount of at least one fatty alcohol and a minor molar amount of at least one lower alkyl fatty acid ester, the said process comprising the steps of (a) subjecting the fatty alcohol fraction to transesterification in the presence of a transesterification catalyst such as herein described in a first transesterification zone maintained under transesterification conditions such as herein described, thereby to convert substantially all of any lower alkyl fatty acid ester present in the feed mixture by ester interchange with a corresponding amount of fatty alcohol or alcohols to lower alkanol and to a wax ester derived from a fatty alcohol and a fatty acid; (b) separating resulting lower alkanol from the reaction mixture of step (a) by vapourisation to yield an intermediate transesterification product mixture that is at least partially free from lower alkanol and contains a fatty alcohol or alcohols and a wax ester or esters; (c) distilling fatty alcohol or fatty alcohols and a wax ester or wax esters of the intermediate transesterification product mixture of step (b) to yield (i) an overhead fraction that contains the fatty alcohol or alcohols and is substantially free from lower alkyl fatty acid ester, and (ii) a distillation residue comprising fatty alcohol or alcohols, and wax ester or esters; (d) subjecting the distillation residue of step (c) to transesterification in the presence of added lower alkanol and of a transesterification catalyst such as herein described in a second transesterification zone maintained under transesterification conditions such as herein described, thereby to reconvert wax ester or esters to lower alkyl fatty acid ester or esters and to fatty alcohol or alcohols; (e) evaporating unreacted lower alkanol from the reaction mixture of step (d) to yield a liquid residue that is substantially free from lower alkanol; and (f) distilling fatty alcohol or alcohols and lower alkyl fatty acid ester or esters of the liquid residue of step (a) to produce (i) an overhead product containing a mixture of a lower alkyl fatty acid ester or esters and fatty alcohol or alcohols and (ii) a relatively involatile residue.

(Com. 38 pages; Drwgs. 2 sheets)

Ind. Cl. : 32-F₈(a) 175664

Int. Cl.⁴ : C 07 C 67/00.

A CONTINUOUS

PROCESS AND APPARATUS FOR THE PRODUCTION OF CARBOXYLIC ACID ESTERS.

Applicant: DAVY McKEE (LONDON) LIMITED, A BRITISH COMPANY OF DAVYHOUSE, 68 HAMMER-SMITH ROAD, LONDON W14 5YW, ENGLAND.

Inventors:

- (1) GEORGE EDWIN HARRISON.
- (2) JOHN SCARLETT.
- (3) MICHAEL ANTHONY WOOD.
- (4) DONALD HUGH McKINLEY.

Application No. 50/MAS/90 filed January 17, 1990.

Convention date: January 17, 1989; (No. 8900996.3; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

17 Claims

A continuous process for the production of carboxylic acid ester comprising the steps of reacting a carboxylic acid component selected from mono-, di- and polycarboxylic acids, anhydrides of such acids, mixtures of such acids and mixtures of such acid(s) and anhydride(s) with an alcohol component

selected from mono-, di- and polyhydric alcohols, phenols and mixtures thereof in the presence of a solid esterification catalyst selected from particulate ion exchange resins having sulphonic acid groups, carboxylic acid groups or both in an esterification zone of a column reactor maintained under esterification conditions such as hereindescribed, the said column reactor being provided with a plurality of esterification trays mounted one above another, to hold a predetermined liquid volume and a charge of particles of the solid esterification catalyst in each said tray, supplying in liquid phase the less volatile component selected from the carboxylic acid component and the alcohol component to the uppermost esterification tray while supplying the other more volatile component in vapour phase to the lower most esterification tray to pass the said reactants in a countercurrent manner through the esterification zone, allowing the liquid phase to pass down the column reactor from tray to tray through a liquid downcomer means associated with each esterification tray, retaining the particles of solid esterification catalyst thereon, allowing vapour comprising more volatile components and water of esterification to enter each esterification tray from below through a vapour upcomer conduit associated with each esterification tray, passing vapour from the vapour upcomer conduit through vapour distribution means as bubbles in the liquid in a zone of turbulence in the respective esterification tray thereby distributing and agitating the mixture of liquid and solid esterification catalyst preventing stagnant zones of particles of catalyst in the esterification tray by means of a slope in the floor of the tray towards the zone of turbulence and/or at least one baffle, and recovering vapour comprising the more volatile component and water of esterification from an upper part of the column reactor and recovering catalyst free-carboxylic ester from a lower part of the column reactor.

(Comp. 47 pages;

Drwgs. 5 sheets)

Ind. Cl. : 76 E, & 76 B.

175665

Int. Cl.⁴ : F 16 B 2/00, 2/14.

A FUMIGATION CHANNEL.

Applicant and Inventor: PALANISAMY GOVINDASAMY, MAYUR PLASTIC FABRICS, B-7, K.R. INDUSTRIAL ESTATE, THIRUVOTTUR, MADRAS-19 TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 119/Mas/90 filed on 14th February 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), The Patent Office Branch, Madras-600 002.

5 Claims

A fumigation channel for use with a fabric intended to envelop the goods to be fumigated comprising a channel body embedable in the ground, with the mouth of the channel body flush with the surface of the ground, the said channel body having a cross-sectional configuration suited to receive there within a plug for trapping the ends of the said fabric between such plug and the channel and thus for securing the fabric in place.

(Compl. Specn. 8 pages;

Drg. 1 sheet)

Ind. Cl. : 105-C

175666

Int. Cl.⁴ : G 07 F 7/10.

A DEVICE FOR SELECTING DATA FROM A PLURALITY DATA SOURCES SUCH AS CREDIT CARDS, CHECK CARDS, CUSTOMER CARDS, IDENTITY CARDS, DOCUMENTS, KEYS ACCESS INFORMATION AND MASTER KEYS.

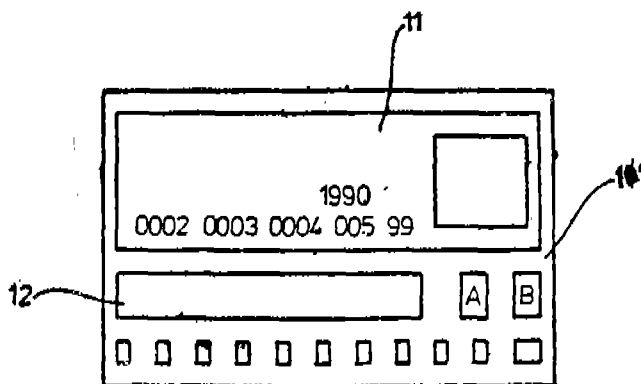
Applicant & Inventor : HARTMUT HENNINGE, A GERMAN CITIZEN OF HOME GREEN, 23. PACKMAN LANE, KIRK ELLA, HULL HU10 7TH, N HUMBERSIDE, GREAT BRITAIN.

Application No. 136/MAS/90 filed February 21, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

26 Claims

A device for selecting data from a plurality of data sources such as credit cards, check cards, customer cards, identity cards, documents, keys, access information and master keys comprising: an electronic multi-function card, said card having storage means for storing a data set from each of the plurality of data sources, said card having at least one display area for displaying said stored data set; input means for producing a secret code; activating means for activating said card for use; processing means responsive to said secret code for enabling said activating means; selection means for selecting a predetermined one of said stored data sets in said activated card; and display means for displaying said selected data set on the card in said display area.



(Compl. 29 pages;

Drwgs. 4 sheets)

Ind. Cl.: 170-A

175667

Int. Cl.⁴: C 11 D 1/00.

A PROCESS FOR PREPARING A LIGHT-COLORED DRY SURFACTANT MIXTURE.

Applicant: HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY OF HENKELSTRASSE 67, 4000 DUSSELDORF, WEST GERMANY.

Inventors:

- (1) DR. GUNTER PANTHEL.
- (2) WOLFGANG SCHMIDT.
- (3) DR. HERMANN ANZINGER.

Application No. 170/MAS/90 filed March 7, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

5 Claims

A process for preparing a light-coloured dry surfactant mixture based on washing and cleaning active salts of alpha-sulf fatty acid methyl esters (monosalts) and corresponding salts of alpha-sulf fatty acids (disalts) which are at least predominantly derived from C 12-18 fatty acids, comprising the steps of mixing the monosalts and the disalts in the range from 90:10 to 40:60 parts by weight to obtain an aqueous mixture having an active substance (AS) content of at least 60% by weight and capable of melting or at least softening to a plastic state at temperatures below 150°C; bleaching the aqueous paste by addition of hydrogen peroxide; dehydrating the highly concentrated, pumpable and stirrable, bleached aqueous paste, in a manner such as herein described and processing the dehydrated product by shaping to obtain the dry surfactant mixture.

(Compl. 17 pages).

Ind. Cl.: 39-L

175668

Int. Cl.⁴: C 01 G 23/00.

AN IMPROVEMENT IN THE SULPHATE METHOD OF PRODUCING TITANIUM DIOXIDE.

Applicant: SULZER-ESCHER WYSS AG, OF HARDSTRASSE 319, CH-8023 ZURICH, SWITZERLAND, A SWISS COMPANY.

Inventors:

- (1) JOSEF MAUER.
- (2) PARMANAND BANSAL.

Application No. 209/MAS/90 filed March 20, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

An improvement in the sulphate method of producing titanium dioxide wherein recovered sulphuric acid is recycled to the digester producing titanium dioxide, the improvement comprises in concentrating the resultant waste sulphuric acid of 20 to 24% by weight to 65 to 82% by weight to precipitate some of the dissolved metal salts therefrom, separating the said precipitated metal salts, optionally recycling a portion of the said concentrated sulphuric acid to the digestion process, roasting the remaining concentrated sulphuric acid with the precipitated and separated metal salts to produce oxides of sulphur which dissolve in the said sulphuric acid to further enhance its concentration thereafter recycling the said highly concentrated sulphuric acid to the digester.

(Com. 14 pages;

Drwgs. 1 sheet)

Ind. Cl.: 97 E.

175669

Int. Cl.⁴: H 05 6/02.

A VACUUM INDUCTION MELTING AND CASTING FURNACE.

Applicant: CONSARC ENGINEERING LIMITED, A BRITISH COMPANY, OF 12 NORTH ROAD, BELLSHILL, LANARKSHIRE ML 4 1 EN, SCOTLAND.

Inventor: JOHN GLENCROSS WILSON.

Application No. 248/Mas/90 filed on 4th April 1990.

Convention No. 8910266.9 filed on 4th May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), The Patent Office Branch, Madras-600 002.

8 Claims

A vacuum induction melting and casting furnace comprising a melt chamber containing a melting unit for melting a material by induction under vacuum, a plurality of casting stations each coupled to the melt chamber by a respective valve, said casting stations being disposed around the periphery of the melt chamber and each casting station having a respective tundish associated therewith and adapted to be moved through a respective valve into said melt chamber, a selected tundish when disposed in said melt chamber receives melt from said melting unit and transfers said melt to its casting station.

(Compl. Specn. 17 pages;

Drg. 3 sheets)

Ind. Cl.: 39 L & 56 C

175670

Int. Cl.⁴: C 30 B 25/00, 29/16.

A PROCESS FOR MAKING PERICLASE MONOCRYSTALS.

Applicant: RADEX-HERAKLITH INDUSTRIEBETEILIGUNGS AKTIENGESELLSCHAFT, OF OPERNRING 1A, 1010 WIEN AUSTRIA, A COMPANY ORGANISED UNDER THE LAWS OF AUSTRIA.

Inventors:

1. PETER-CHRISTIAN HERBRICH.
2. WALTER EGGER.

Application No. 264/Mas/90 filed on 10th April 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), The Patent Office Branch, Madras-600 002.

13 Claims

A process for making periclase monocrystals, which comprises reacting sintered MgO with a reducing agent in a furnace to form elementary magnesium, vaporising the elementary magnesium, and oxidising the vaporised magnesium in the gaseous phase by means of oxygen present in the furnace atmosphere to form periclase secondary monocrystals, and removing the latter from the furnace.

(Compl. Specn. 12 pages;

No Drgs.)

Ind. Cl.: 190-B

175671

Int. Cl.: F 01 D 5 12.

A METHOD OF RE-REFURBISHING A TURBINE BLADE.

Applicant: RETURBISHED TURBINE COMPONENTS LIMITED, A BRITISH COMPANY, OF GEORGE BAYLISS ROAD, DROTHWICH, WORCESTERSHIRE WR9 9AB, ENGLAND.

Inventors:

- (1) MICHAEL JAMES FRASER.
- (2) JILL CYRUS HENDELMAN.
- (3) ROBERT FRANCIS HAYES.

Application No. 213/MAS/90 filed March 23, 1990.

Convention date March 28, 1989; (No. 8906929.8; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

16 Claims

A method of refurbishing a turbine blade comprising the steps of:

- (a) removing an end part of the blade.
- (b) shaping a new piece made of material compatible with the said blade, approximately in the form of the part removed;
- (c) wherein the said new piece of material is larger than the final form required so as to allow for any misalignment subsequent to securing to the remainder of the blade;
- (d) securing by welding said new piece of material to the end of the blade;
- (e) heat treating said blade in the area of said weld;
- (f) machining or polishing the said new piece of material to the required shape.

(Com. 22 pages;

Drwgs. 3 sheets)

Ind. Cl.: 140-A₂

175672

Int. Cl.: C 10 M 141/00.

A PROCESS OF PREPARING THIOPHOSPHORETTED ADDITIVE COMPOSITION.

Applicant: INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE OF 4, AVENUE DE BOIS PREAU, 92502, RUEIL MALMAISON, FRANCE.

Inventors:

- (1) GUY PARC.
- (2) NICOLE THEVENIN.
- (3) MAURICE BORN.
- (4) JACQUES LALLEMENT.

Application No. 216/MAS/90 filed March 23, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A process of preparing thiophosphoretted additive composition comprising the steps of reacting a sodium or a calcium sulfonate surbasified by sodium or calcium carbonate, showing 0.9 to 10 basic equivalents per kilogram, with a phosphorus sulfide, used in such a proportion that the ratio of molar phosphorus to the basic equivalents of the surbasified sulfonate ranges from 0.002 to 0.15.

(Com. 29 pages).

Ind. Cl.: 48-C

175673

Int. Cl.: H 01 B 3/20.

PROCESS FOR THE PRODUCTION OF A SELF-BONDING ENAMEL SOLUTION.

Applicant: BASF AKTIENGESELLSCHAFT, A GERMAN JOINT STOCK COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors:

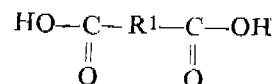
- (1) PETER HOESSEL.
- (2) HANS SCHUPP.
- (3) KLAUS LIENERT.
- (4) HILMUT LEHMANN.

Application No. 324/MAS/90 filed April 25, 1990.

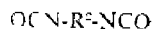
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

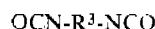
A process for the production of a self-bonding enamel solution wherein (A) from 5 to 80% by weight of a copolyamide composed of units which are derived from (A₁) organic dicarboxylic acids



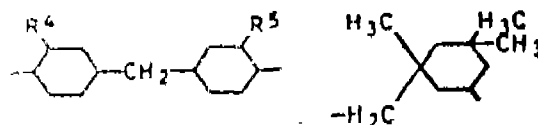
wherein R¹ is an aliphatic radical of 1 to 20 carbon atoms or an aromatic radical of 5 to 25 carbon atoms and (A₂) a mixture of diisocyanates, consisting of a₂₁) from 20 to 95 mol% of a diisocyanate of the general formula



where R² is an aromatic radical of 5 to 25 carbon atoms, (a₂₂) from 5 to 70 mol% of a diisocyanate of the general formula



where R³ is



or a linear aliphatic radical of 3 to 30 carbon atoms which is substituted by 1 to 3 C₄-C₈ alkyl groups and R⁴ and R⁵

independently of one another are each C_1-C_4 -alkyl or hydrogen, and (a_{22}) from 0 to 20 mol% of a diisocyanate of the general formula



where Y is an integer of from 1 to 20, is mixed with

(B) from 0.5 to 30 by weight of a blocked di- or polyisocyanate in an organic solvent or solvent mixture.

(Com. 21 pages).

Ind. Cl. : 104 F.

175674

Int. Cl.⁴ : C 08 L 7/00

"A RUBBER COMPOSITION"

Applicant : CABOT CORPORATION, AN AMERICAN CORPORATION OF 950, WINTER STREET, WALTHAM, MASSACHUSETTS 02254-9073, U.S.A.

Inventors : 1. MIZUO SOEDA.
2. KAZUYOSHI WATANABE.

Application No. 349/Mas/90 filed on 8th May 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) The Patent Office Branch, Madras-600 002.

Claims 3

A rubber composition comprising about 100 parts, by weight, of a rubber and from 10 to 250 parts, by weight, of a carbon black having an I_{2No} of from at least 135mg/g to 200 mg/g, a DBP of from at least 105 cc/100g to 150cc/100g, a CTAB/ I_{2No} ratio of 0.95 to 1.05, a $N_2SA/CTAB$ ratio of not greater than 1.05 and a Dmode C/Dmode U ratio of at least 0.96 to 1.0.

(Compl. Spen. 32 pages)

Drgn. 2 sheets)

Ind. Cl. : 90-E&K and 97-B

175675

Int. Cl.⁴ : C 03 B 5/00; 5/04

A METHOD AND A GLASS MELTING TANK FOR MANUFACTURING MOLTEN GLASS

Applicant : PILKINGTON PLC., A BRITISH COMPANY, OF PRESCOT ROAD, ST. HELENS, MERSEYSIDE WA10 3TT, UNITED KINGDOM.

Inventors : (1) ROBERT EMMETT TRELVELAN
(2) PETER JAMES WHITFIELD

Application No. 457/MAS/90 filed June 12, 1990.

Convention date : June 13, 1989; (No. 8913539.6; Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Claims 25

A method of manufacturing molten glass in a glass melting tank, comprising the steps of heating batch material in a melting chamber to produce molten glass, refining the molten glass in a refining zone and thermally conditioning the glass prior to causing the glass to flow continuously through an outlet from the tank, said method further comprising causing the molten glass to flow through a riser chamber between the melting chamber and the refining chamber, the glass entering the riser chamber through a throat at the base of the riser chamber and leaving the riser chamber through an outlet at its upper end, the glass being heated in the riser chamber in a central zone spaced from the walls of the riser chamber while cooling upstream and downstream walls of said riser chamber whereby an inhomogeneous temperature distribution is formed

in the glass across the riser chamber and molten glass is caused to flow upwardly in said central zone of the riser chamber with downward glass flow adjacent said chamber walls, the heat input to the glass in the riser chamber being, such as to raise the temperature of the glass in the riser chamber and to maintain a glass temperature adjacent the base of the riser chamber opposite said throat which is above the temperature of glass entering the riser chamber through the throat.

(Comp. 24 pages;

Drgs. 4 sheets)

Ind. Cl. : 158 B₂

175676

Int. Cl.⁴ : B 61 G 9/00

A RAILCAR SLACKLESS ROTARY DRAWBAR SYSTEM

Applicant : AMSTED INDUSTRIES INCORPORATED, 44TH FLOOR-BOULEVARD TOWERS SOUTH, 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601, U.S.A., AN AMERICAN COMPANY.

Inventors : (1) JOHN W. KAIM
(2) RUSSELL G. ALTHERR
(3) HORST T. KAUHOLD.

Application No. 526/MAS/90 filed June 28, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Claims 22

A railcar slackless rotary drawbar system comprising :

a drawbar having an elongated shank and at least one end rotatably retained within the center sill of a railcar;

a ball at said one end having a first spherical portion adjacent said shank and a second spherical portion outward thereof;

a crossplate connected across a bottom of said center sill;

a lower pulling block resting on said crossplate, said lower pulling block having a concave surface substantially concentric with said first spherical portion of said ball;

an upper pulling block resting on said lower pulling block, said upper pulling block having a concave surface substantially concentric with said first spherical portion of said ball;

a follower block held within said center sill, said follower block having a concave surface substantially concentric with said second spherical portion of said ball;

a wedge disposed against said follower block whereby to urge together the respective concentric surfaces of said follower block, ball and pulling blocks; and

aligning means for maintaining the orientation of said ball with said pulling blocks and said follower block.

(Comp. 27 pages;

Drws. 6 sheets)

Ind. Cl. : 32-E

175677

Int. Cl.⁴ : C 08 G 18/00

AN IMPROVED PROCESS FOR PREPARING URETHANE PREPOLYMERS

Applicant : AJR PRODUCTS AND CHEMICALS, INC., OF 7201 HAMILTON BOULEVARD, ALLENTOWN, PA 18195-1502, U.S.A. AN AMERICAN COMPANY.

Application No. 628/MAS/90 filed August 1, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Claims 20

An improved process for preparing urethane prepolymers having low levels of residual organic diisocyanates comprising subjecting a crude prepolymer reaction mixture to distilla-

tion in a wiped film evaporator, wherein the improvement comprises in passing an inert gas in a counter current flow through the evaporation zone such that the rates of the inert gas flow rate to the diisocyanate containing prepolymer flow rate is greater than about 0.06 and less than 1.55 as shown below :

$$0.06 \left[\frac{\text{mol wt inert gas}}{\text{mol wt di-NCO}} \right] < \frac{\text{mass flow rate inert gas}}{\text{mass flow rate prepolymer}} < 1.55 \left[\frac{\text{mol wt inert gas}}{\text{mol wt di-NCO}} \right]$$

(Com. -- 21 pages)

Ind. Cl. : 16 B

175678

Int. Cl.⁴ : G 10 K 9/00.

"BLOWER FOR A MECHANICAL HORN."

Applicant : SOUTHERN ENTERPRISES, AN INDIAN COMPANY, OF 19 NAINAR NADAR ROAD, MYLAPORE, MADRAS 600 004. TAMIL NADU, INDIA.

Inventors : N. SABAPATHY.

Application No. 636/Mas/90 filed on 9th August, 1990

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) The Patent Office Branch, Madras-600 002.

(4) Sodium Lauryl Sulphate—07 to 15%

(5) Propyl Gallate—0.005 to 0.05%

(6) Butylated Hydroxy Anisole—0.005 to 0.05%

(7) Flavours, Sweeteners &
Other antioxidants &
preservations as may be necessary, and

homogenisation, of the entire mass.

(Comp.—12 pages)

Claims 2

A blower for mechanical horn comprising a casing (1) having an upper and lower portions joined along their rim in an air tight manner, the said upper portion of the casing having a breather (7) and an opening (10), the said lower portion of the casing having an air exit (9), a spring loaded leather diaphragm (3) being provided at the junction of the said upper and lower portion of the casing, one end of the spring (4) positioned on the lower surface of the said diaphragm and the other end on the base of the lower portion of the casing a plunger means (5) provided in the said opening such that the base of the plunger means rest on the upper portion of the leather diaphragm.

(Comp. Specn. 7 pages)

Drg. 1 sheet)

Ind. Cl. : 2-B₁

175680

Int. Cl.⁴ : G 09 F 1300.

AN INTERNALLY ILLUMINATED SIGN.

Applicant: MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, U.S.A. OF 3M CENTER, ST. PAUL, MINNESOTA 55144-1000, U.S.A.

Inventors

(1) THOMAS I. BRADSHAW.

(2) EDWARD S. SHINBACH.

Application No. 276/MAS/93 filed April 23, 1993.

Divisional to PA No. 207/MAS/89, Ante-dated to 17-3-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

An internally illuminated sign (10) comprising an enclosure (11) transmissive to light on atleast one side, designated the front side, and a cube corner retroreflective sheeting (14), the said sheeting (14) comprises a cover layer (20) having a multiplicity of retroreflective cube corner elements (21) bonded to a base layer (22) of transparent material to form a regular arrangement of hermetically sealed retroreflective cells (31), the areas where the base layer (22) is bonded to the cover layer (20) being transparent, the said sheeting is positioned to reflect light incident on the front of the sign (10), such that the base layer (22) is positioned inside the cover layer (20) in the sign (10).

(Com. 16 pages;

Drwgs. 3 sheets)

Ind. Cl. : 189

175679

Int. Cl.⁴ : A 61 K 7/16

A PROCESS FOR THE MANUFACTURE OF THERAPEUTIC FOAMING MILK TOOTHPASTE

Applicant : SYED OMER, No. 36, HAINES ROAD, BANGALORE-560 005, INDIAN.

Inventor : FAIYAZ MUHAMMED PASHA

Application No. 274/MAS/93 filed April 23, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Claims 3

A process for the manufacture of Therapeutic foaming toothpaste consisting of the following ingredients in the proportions shown :

(1) Milk Solids—50 to 70%

(2) Stabilizer & Humectant—10 to 20%

(3) Calcium Carbonate—07 to 15%

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 155931 dated the 19th May, 1981 made by D.C.M. Shriram Industries Limited on the 8th April 1994 and notified in the Gazette of India Part III, Section 2, dated the 18-6-1994 has been allowed and the said patent restored.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that TELEPHONE AND TELEGRAPH COMPANY, of 550 Madison Avenue, New York 10022, U.S.A. have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 343/MAS, 89 (173831) for A CABLE RESISTANT TO ANIMAL ATTACKS. The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of Notification at the Patent Office Branch, Madras-2. If the written Statement of Opposition is not filed with the Notice of Opposition. It shall be left within one month from the date of filing the said Notice.

Notice is hereby given that American Home Products Corporation, A corporation organised and existing under the laws of the State of Delaware, United States of America of five Giralda Farms, Madison, New Jersey 07940 U.S.A. have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 173208 for Corandomized fat compositions for infant formulas. The amendments are by way of change of address from 685, Third Avenue, New York, New York 10017, U.S.A.

The application for amendment and the proposed amendments can be inspected free of charge of Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on Payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

PATENT SEALED ON 7-7-1995

174522 174525 174541* 174543* 174544* 174546 174550* D
174551 174554 174555 174556 174557 174558 174559 174560
174561 174564 174565 174566 174567* 174568 174569
174570* D 174591 174592 174593 174596 174597* D 174598
174599 174600.

Cal-15, Del-16, Mas-Nil & Bom-Nil.

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

F—FOOD PATENT.

D—DRUG PATENT.

RENEWAL FEES PAID

155761 158509 158787 158829 158830 160612 162025 162173
162174 163246 163247 163249 164873 164874 164884 164937
165397 165494 166155 166160 167375 167423 167424 167462
168759 169836 170135 170251 170476 171752 172059 172060
172144 172481 172898 172907 172908 173176 173177 173182
173184 173391 173393 173464 173516 173517 173518 173519
173596.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 59 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 3. No. 168363, La-Par Creations, a registered partnership firm having its address at C 1/2 S. J. Das Industrial Estate, Western Express Highway, Goregaon East, Bombay 400063, Maharashtra, India, "CONTAINER", 1st November 1994.

Class 3. No. 168302, Mimmi trading Corporation, 5 B, Kanchan villa, Coraswadi, Malad (W), Bombay 64, Maharashtra, India, and Indian partnership firm, "SELF STOPPIN STOPPING SAFETY POURER", 26th October 1994.

Class 4. No. 168102, McDowell & Co. Ltd., McDowell House, 3 Second Line Beach, P.O. Box 36, Madras 600001, Tamilnadu, India, "BOTTLES", 14th September 1994.

Class 4. No. 168086, Reckitt & Colman, of 15 Rue Ampere, 91301 Massy Cedex, France, a French joint-stock company, "A VOLATILE SUBSTANCE DISPENSER WITH POROUS WALLS", 13th September 1994.

Class 5. No. 168088, Cussons International Ltd., a British company, of Bridgewater House, 60 Whitworth Street, Manchester, M1 6LU, England, "SOAP", 13th September 1994.

Class 5. No. 168300, Khandelwal Associates, Udyog Nagar, Vrindaban (U.P.), India, an Indian partnership firm, "CARD-BOARD BOX", 25th October 1994.

Class 10. No. 166627, Delhi Electronic Instruments & Equipment Manufacturing Pvt. Ltd., A 4/2, Maya Puri, Phase II, New Delhi, India, "SHOE SOLE", 29th December 1993.

Class 10. No. 168082, Liberty Group Marketing division, Liberty House Extension, Karnal, Haryana, India, an Indian partnership concern, "SOLE OF THE SANDAL", 13th September 1994.

Class 11. No. 166730, Ravissant, a division of Vishal (P) Limited, an Indian company, 24, Nehru Place, New Delhi 110019, India, "KURTA FOR LADIES", 17th January 1994.

R. A. ACHARYA

Controller General of Patent, Design & Trade Marks

प्रबन्धक, भारत सरकार मद्रास, फरीदाबाद द्वारा मद्रास

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1995

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